



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

# Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO040162	MES002-VC	1	1	Net 30	M1018R1.375	M1018R1.375 : MATERIAL: AISI 1018- 1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft					12 7/4/2018	12		S088717	Stock	6/28/2018	\$ 9.75 / ft	5		\$117.00	Metaux Solutions
		2	2		MT-4140-B- 0.625X3.000	4140 Steel Bar 0.625" x 3.000" : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft				4		4		S088718	Stock	6/28/2018	\$ 26.25 / ft	5		\$105.00	Metaux Solutions
		3	3		MT-4140-S- 1.500X3.000	4140 Steel Bar 1.500 X 3.000 : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC receive ft				2		2		S088719	Stock	6/28/2018	\$ 35.40 / ft	5		\$70.80	Metaux Solutions
		4	4		MT-O1-R1.250	Tool Steel Round Bar 1.250 dia.					6	6		S088720	Stock	6/28/2018	\$ 11.38 / ft	5		\$68.25	Metaux Solutions

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		5			M303R0.625	303 Round Bar 0.625" MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft				12		12		S088721	Stock	6/28/2018	\$ 4.80 / ft	5		\$57.60	Metaux Solutions
		6			M303R2.250	M303R2.250 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft						12		S088722	Stock	6/28/2018	\$ 73.20 / ft	5		\$878.40	Metaux Solutions
<b>Total:</b>										<b>48</b>		<b>48</b>								<b>\$986.69</b>	

Plex 7/3/2018 10:09 AM dart.Tollis.Andrew

## Shipping Order

20/06/2018

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 Tel.: 450 641-3330

Order : 136007  
Reference : 40162  
Bid : 27774  
Ship : PICK UP / PICK UP

Customer: 6323336

## Ship To

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
CR138	CRS ROU 1.375 DIA (1018) 1 x 12' *****	12	12	0
	HT(20570340) AT			
MP5841H	4140 HTSR TFA PLATE .625" P.M. 1 x 3" x 48"	28	28	0
	HT;pm(72973) M			
MP11241H	4140 HTSR PLATE 1.5" THICK 1 x 3" x 24"	33	33	0
	HT;pm(54823) M			
TR11401	O-1 TFA TO FIN 1.250 RD 1 x 72"	26	26	0
	HT(9917061255b) 48-2			
SR583	303 ROU .625 DIA 1 X 12' R/L	12	12	0
	HT(47715) M			
SR2143	303 ROU 2.250" DIA 1 X 12' R/L *****	12	12	0
	HT(743) AT			

\*\*\* Continued on Next Page \*\*\*

## Shipping Order

20/06/2018

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 *Tel.* : 450 641-3330

*Order* : 136007  
*Reference* : 40162  
*Bid* : 27774  
*Ship* : PICK UP / PICK UP

*Customer* : 6323336

*Ship To*

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Same

*Tel.* : 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Qty. Delivered</i>	<i>B/O Qty</i>
-----------------	--------------------	------------	-----------------------	----------------

SHIP JOURNEY COLLECT  
JP

*Shipping* : \_\_\_\_\_ *Ref.* : \_\_\_\_\_  
*Package No* : \_\_\_\_\_  
*Merchandise Received* : \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO040162

**Supplier:** MES002-VC  
Metaux Solutions  
2625 boul Jacques-Cartier Est  
Longueuil  
QC  
J4N 1L7 Canada  
Phone: 800 558 8858  
Fax: 514 633 8044

**PO No:** PO040162

**PO Date:** 6/11/18

**Due Date:** 6/21/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**E-MAILED**  
JUN 11 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:** bid 27774

### Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M1018R1.375		M1018R1.375 : MATERIAL: AISI 1018-1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	6/21/18	12 ft	12 ft	12 ft	\$9.75/ft	\$117.00
2	MT-4140-B-0.625X3.000		4140 Steel Bar 0.625" x 3.000" : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	6/21/18	4 ft	4 ft	4 ft	\$26.25/ft	\$105.00
3	Mt-4140-S-1.500X3.000		4140 Steel Bar 1.500 X 3.000 : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC receive ft	Firmed	6/21/18	2 ft	2 ft	2 ft	\$35.40/ft	\$70.80
4	MT-O1-R1.125		Tool Steel Round Bar Ø1.125 MATERIAL: AISI 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681	Firmed	6/21/18	6 ft	6 ft	6 ft	\$13.48333/ft	\$80.90
5	M303R0.625		303 Round Bar 0.625" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	6/21/18	12 ft	12 ft	12 ft	\$4.80/ft	\$57.60

Plex 6/11/18 12:55 PM dart.lavoie.chanta

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	M303R2.250		M303R2.250 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	6/21/18	12 ft	0 ft 10 ft	12 ft	\$73.20/ft	\$878.40
<b>Grand Total:</b>									<b>\$1,309.70</b>	
<b>Order Notes</b> <i>rec'd At 18/06/28</i>										
<p>Procurement Quality Clauses</p> <p>A005 right of entry</p> <p>A012 chemical and physical test report</p> <p>A016 personnel qualification</p> <p>A017 raw material identification (as applicable)</p> <p>A026 certification of material conformance</p> <p>A041 quality management system</p> <p>A042 dart notification by supplier</p> <p>A043 retention of quality documents</p> <p>A048 counterfeit parts avoidance, detection, mitigation and disposition program</p> <p>A049 supplier awareness</p> <p>Terms &amp; Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="http://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.</p>										

Plex 6/11/18 12:55 PM dart.lavoie.chantal

Bid

05/06/2018

27774

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 **Tel. : 450 641-3330**

**Sales Rep. :** JEROME PRIMEAU  
**Expiration Date :** 03/09/2018

**Customer :** 6323336

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

**Ship To :**

Same

**Tel. : 1 613 632-3336**

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Price</i>	<i>Total</i>	<i>Tx</i>
SR384	304 ROU .375 DIA 1 X 12' R/L	12	1.90	22.80	A
AET1316	ALU TUB 1.000" X .188" 6061-T6 1 X 24'	24	25.00	600.00	A
SR123	303 ROU .500 DIA 6 X 12' R/L	72	3.05	219.60	A
SR583	303 ROU .625 DIA 1 X 12' R/L	12	4.80	57.60	A
SR343	303 ROU .750 DIA 6 X 12' R/L	72	6.85	493.20	A
SR2143	303 ROU 2.250" DIA 1 X 12' R/L	12	73.20	878.40	A

5/7 DAYS

			<b>Subtotal</b>	10 968.75
<b>A) Regist :</b>			<b>HST :</b>	1 425.94
			<b>Total :</b>	12 394.69

3938

SMIL  
7-03

Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**RBIR7028-1**  
**Job Sheet 178595**



Part No: RBIR7028-1

Job Qty: 6 ea

Part Name: Receiver



Part Weight: 0 lbs

Status: At Planning

Priority: Medium

Job Created: 6/4/18

Job Tracking No:

Due Date: 6/18/18

Created By: Logan David

Type: SOLD

Description:

Note: DWG RBIR7### Rev. 0 IPP Rev. A 18.06.04 new issue DP Verify DD

Ship Via:

## Bill of Materials

## Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea	6/18/18	6/18/18	0.00	0.00	Start Up Machining-3		
110	Mori Seiki	6 pcs	6/18/18	6/18/18	0.00	3.00	MORI SL-154		
120	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC2 Machining-4		
150	Lathe Conv	6 pcs	6/18/18	6/18/18	0.00	1.20	Lathe Conv-1		
160	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC2 Machining-5		
170	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC8 Machining-4		
180	Outsource	6 pcs	6/18/18	6/18/18	0.00	0.00	Outsource12		
190	Packaging	6 pcs	6/18/18	6/18/18	0.00	0.00	Packaging2		
200	QC	6 pcs	6/18/18	6/18/18	0.00	0.00	QC6		
210	Packaging	6 pcs	6/18/18	6/18/18	0.00	0.00	Packaging3-1		
220	QC21-SA	6 Ea	6/18/18	6/18/18	0.00	0.00	QC21		

Part Op 110 - 1-Machine as per folio FC FOLIO REV: DWG REV: 2-Deburr

Descriptions: 150 - Machine as per DWG. Face and chamfer.

170 - Engrave T/N and/or P/N number using MARKTRONIC engraver as per DWG.

180 - Issue P/O to GROUPE ALTECH; PO -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 1018 -Certificate of Conformity is required

## Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M1018R1.375	M1018R1.375	.8700 ft (.145 ea)	90-Start up Operation	

## Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M1018R1.375	1	0	0

## Part Specifications

Specifications could not be found.

OK.

Plex 6/4/18 11:10 AM dart.logan.david



6467  
SHIP  
8-13



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**RBT18700-101-F01-2**  
**Job Sheet 178287**



Part No: RBT18700-101-F01-2

Job Qty: 12 ea

Part Name: Mounting Bracket



Part Weight: 0 lbs

Status: At Planning

Priority: Medium

Job Created: 5/29/18

Job Tracking No:

Due Date: 7/30/18

Created By: Logan David

Type: SOLD

Description:

Note: DWG RBT18700-101-F01 REV A IPP REV A 18.05.29 NEW ISSUE FK VERIFY DP

Ship Via:

### Bill of Materials

### Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	12 Ea		7/30/18	0.00	0.00	Start Up Waterjet		
100	Mori Seiki	12 pcs		7/30/18	0.00	6.00	MORI NV5000-2		
110	QC	12 pcs		7/30/18	0.00	0.00	QC2 Machining-4		
120	QC	12 pcs		7/30/18	0.00	0.00	QC8 Machining-4		
130	Packaging	12 pcs		7/30/18	0.00	0.00	Packaging3-1		
140	QC21-SA	12 Ea		7/30/18	0.00	0.00	QC21		

Part Op 100 - 1-Machine as per folio FC \_\_\_\_\_ FOLIO REV: \_\_\_\_\_ DWG REV: \_\_\_\_\_ Engrave as per DWG  
Descriptions: 2-Deburr

### Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-4140-B-0.625X3.000	4140 Steel Bar 0.625" x 3.000"	3.2040 ft (.267 ea)	90-Start up Operation	

### Job Allocations




Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	MT-4140-B-0.625X3.000	3	4	0

### Part Specifications

Specifications could not be found.

Plex 5/29/18 1:55 PM dart.logan.david

6467  
SHIP  
8-13

	Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  Tel (613) 632-5200	<b>RBT18700-101-F01-3</b> <b>Job Sheet 178289</b> 						
<b>Part No:</b> RBT18700-101-F01-3 <b>Job Qty:</b> 6 ea <b>Part Name:</b> Loading Bracket 								
<div style="display: flex; justify-content: space-between;"> <div> <b>Part Weight:</b> 0 lbs  <b>Job Created:</b> 5/29/18  <b>Due Date:</b> 7/30/18  <b>Type:</b> SOLD  <b>Note:</b> DWG RBT18700-101-F01 REV A IPP REV A 18.05.29 NEW ISSUE FK VERIFY DP  <b>Ship Via:</b> </div> <div> <b>Status:</b> At Planning  <b>Job Tracking No:</b>  <b>Created By:</b> Logan David  <b>Description:</b> </div> <div> <b>Priority:</b> Medium         </div> </div>								
<b>Bill of Materials</b>								
<b>Job Routing</b>								
Op No	Operation	Qty	Start Date	Due Date	Standard Setup Run hrs Hrs	Workcenter/Supplier Workcenter / Supplier	Lead Time	Sign-off
100	Start up Operation	6 Ea	7/30/18	7/30/18	0.00 0.00	Start Up Waterjet2		
110	Waterjet	6 pcs	7/30/18	7/30/18	0.00 0.60	Waterjet 2 OMAX		
120	QC	6 pcs	7/30/18	7/30/18	0.00 0.00	QC2 Waterjet-2		
130	QC	6 pcs	7/30/18	7/30/18	0.00 0.00	QC8-6		
140	Packaging	6 pcs	7/30/18	7/30/18	0.00 0.00	Packaging3		
150	QC21-SA	6 Ea	7/30/18	7/30/18	0.00 0.00	QC21		
Part Op 100 - Descriptions: 110 - 1-Cut as per Dwg Dwg Rev: _____ Prog Rev: _____ 2-Deburr if necessary								
<b>Job BOM</b>								
Part / Item	Component Name	Quantity	Operation	Container				
Mt-4140-S-1.500X3.000	4140 Steel Bar 1.500 X 3.000	.8280 ft (.138 ea)	100-Start up Operation					
<b>Job Allocations</b>								
Operation	Component Part	Required	Inventory	Allocated				
100-Start up Operation	Mt-4140-S-1.500X3.000	1	1	0				
<b>Part Specifications</b>								
Specifications could not be found.								

Plex 5/29/18 1:56 PM dart.logan.david



Vendor  
LAUREL STEEL DIV. OF HARRIS STEEL

Heat Number  
20570340



Mill Certification

5400 Harvester Road  
Burlington, ON, L7R 3Y8  
(805) 681-6811  
Fax: (805) 634-7886

Sold To:

Ship To:

Customer P.O.	MON-67847	Sales Order	S640864
Product Group	CFB	Customer #/Ship-to	SALI2 / 99
Grade	1018	Part #	31376R020
Size	1 3/8"	Heat #	20570340
Product	R	Bill of Lading #	BOL143741
Description	CFB 1018 R 1 3/8" 20"	Load #	1890529005
Issue Date	6/28/2018	Customer Part #	

CHEMICAL PROPERTIES

C	Mn	P	S	Pb	Te	B	Si	Cu	Ni	Cr	Mo	N	Sn	V	B	Al	As	Ca	O	Nb	Ti
0.18	0.88	0.011	0.025	-	-	-	0.19	0.08	0.03	0.09	0.02	0.007	0.005	0.001	0.0001	0.001	-	-	-	0.001	0.001

Melting Mill: Charter Steel IL, USA      NAFTA Origin: US Cold Drawn in Canada

Hotroll: 71437R026 Reduction Ratio: 30:1

Specification Comments:

This material is mercury free.

BUNDLE INFORMATION

Serial Number	Quantity	Product Notes
7610128052718049	2019	NOT NDT TESTED, 20 bars (estimated)

Total Quantity Shipped for Heat # 20570340 (LBS): 2,019 Total number of bundles: 1

\*Product Notes:

MEETS ASTM A108-13: Meets ASTM A108-13 specification including non-destructive testing levels (S7)  
NOT TESTED: Meets ASTM A108-13 except material was non-destructive tested to a value other than ASTM A108-13 (S7) as described above  
NOT NDT TESTED: Meets ASTM A108-13 except material was not non-destructive tested (S7).

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL AISI 1018-1025 ROUND BAR  
SPECIFICATION: MIL-S-7097 OR ASTM A108  
PART NUMBER: M1018-R[D DDD] WHERE D DDD = DIAMETER IN INCHES  
DIA.  
EG. 7/8" ROUND BAR = M1018-R0.875  
TOLERANCES:  
PER ASTM A108 AS FOLLOWS:  
SIZE TOLERANCE  
UP TO 1.5" INCL. +0.000/-0.002  
OVER 1.5" TO 2.5" INCL. +0.000/-0.003  
OVER 2.5" TO 4.0" INCL. +0.000/-0.004  
OVER 4.0" TO 6.0" INCL. +0.000/-0.005  
OVER 6.0" TO 8.0" INCL. +0.000/-0.006

RELEASE  
2012-09-21

B	REFORMAT	ADD ASTM A108	ADD TOLERANCES	CP	DS	12.09.05
A	NEW ISSUE			DS	01.06.12	
REV				BY	DATE	
DESIGN	DS	DART AEROSPACE LTD				
DRAWN	CP	HAWKESBURY, ONTARIO, CANADA				
CHECKED	CP	DRAWING NO				
MFG APPR	CP	M1018-R				
APPROVED	CP	TITLE				
DE APPR	CP	1018-1025 ROUND BAR				
DATE	12.09.05	SCALE				
		MIS				
		CONTROL BY DART AEROSPACE LTD				



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1018R1.375  
 DATE: 18/06/26

PO / BATCH NO.: P0040162 5088717

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.375"  
 THICKNESS RECEIVED: 1.375"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM A108
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HT: 20573340
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <span style="float: right; font-size: small;">DAS 9 9-89</span> DATE: <u>18/06/26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

14 juin 2018

<b>Product Description</b>	<b>Shipped Pcs</b>	<b>Shipped Lbs</b>	<b>Back Ordred</b>	<b>PO LINE</b>
MSP06250	1.00	905.00	0.00	
5/8 X 33 5/8" X 146"	PLATE 4140/42 PREHARD			
<u>ASTM A-829</u>				
DFARS Compliant				
PLATE#: 416354A	PM HEAT#: 72973		BHN 276.00	
Country of Origin SLOVENIA				
C - 0.4300 Mn - 0.7710 P - 0.0100 S - 0.0010 Si - 0.2040 Ni - 0.1500				
Cr - 1.0100 Mo - 0.1500 Cu - 0.2500 V - 0.0300				

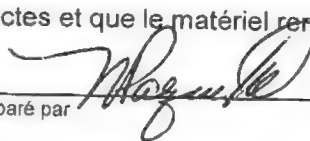
ITEM 2: 1 X 3" X 48"

COMMANDE : 136007

REF : 40162

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par



[illegible]

SPECIFICATION: ASTM A829, AMS 6395

EX. 0.063" THICK SHEET = MT-4140-S-0.063  
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

[illegible]

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT2140-B-0625x3.000  
 DATE: 18/06/26

PO / BATCH NO.: P0040162 / 588718

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 4'  
 QUANTITY INSPECTED: 4'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.625"  
 THICKNESS RECEIVED: 0.625"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM A829
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	MT: 72973
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u> <span style="float: right; font-size: small;">DAS 9 309</span> DATE: <u>18/06/26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



CERTIFICAT D'ANALYSE

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

10 juillet 2018

Part Number: **MST15000** Material: **4140/42 Prehard**

**MST15000**

**2,172 Pounds**

Plate 1-1/2 **4140/42 Prehard**

**34.37500 x 146.12500**

**ASTM A-829**

DFARS Compliant

Country of Origin: SLOVENIA

Lot: 426317A

PM Heat: **94823**

BHN: 300

C: 0.4000

Mn: 0.7800

P: 0.0080

S: 0.0005

Si: 0.2340

Cr: 0.9800

Mo: 0.1500

Cu: 0.2020

V: 0.0330

Ni: 0.1000

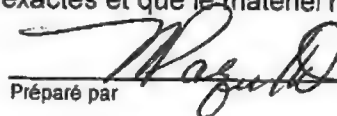
ITEM 3: 1 X 3" X 24"

COMMANDE : 136007

REF : 40162

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par



*SEPONE*

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

14 juin 2018

Part Number / Description	Shipped Qty
MST15000	2,172 Pounds
34.37500 x 146.12500 ASTM A-829 DFARS Compliant Country of Origin: SLOVENIA Lot: 426317A	Plate 1-1/2 <i>MISSING INSC</i> <i>W140 (R28-32)</i> PM Heat: 94823 BHN: 300 * MS WILL EMAIL CHANTAL A REUSED CERT JULY 10TH.
C: 0.4000      Mn: 0.7800 Cr: 0.9800      Mo: 0.1500	P: 0.0080      S: 0.0005 Cu: 0.2020      V: 0.0330 Si: 0.2340 Ni: 0.1000

ITEM 3: 1 X 3" X 24"

COMMANDE : 136007

REF : 40162

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par

*[Signature]*

*5831*

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE  
 MINIMUM ROCKWELL C = 28 Rc  
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-(T.TTT) x (W.WWW)  
 WHERE "T.TTT" = THICKNESS IN INCHES  
 WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063  
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

<b>DART AEROSPACE</b>	
AISI 4140 / 4142 STEEL SHEET OR PLATE	
PART NO	REV
1001	A
DETAILS AND DATE DESIGNED BY: VLS 2/13/2018 CHECKED BY: VLS 2/13/2018 APPROVED BY: VLS 2/13/2018 WFO REVIEW BY: VLS 2/13/2018 APPROVED BY: VLS 2/13/2018	
TOLERANCES UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS ± 1/16 ANGLES ± 1° SURFACE ROUGHNESS	
SCALE: MTS. SHEET 1 OF 1 COPYRIGHT © 2018 BY DART AEROSPACE LTD.	

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-S-1.500x3.000  
 DATE: 18/07/12

PO / BATCH NO.: PO 040162 / S088719

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 2'  
 QUANTITY INSPECTED: 2'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500"  
 THICKNESS RECEIVED: 1.500"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTMA-8m
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	MT. 94823
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT ID</u> DATE: <u>18/07/12</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

21 juin 2018

DESCRIPTION OF MATERIAL

Heat No	Lot	Grade and Size of Material
9917061255B	48 2	01 TFA TO FIN 1.250 RD

MECHANICAL PROPERTIES

Quantity	Yield PSI	Tensile PSI	% Elong In.	% Red Area	Hardness	Impact
154 LBS	0	0	0	0	BHN211	

CHEMICAL PROPERTIES

C	MN	P	S	SI	NI	CR	V	W	MO	CU	CO	AL
0.940	1.060	0.021	0.002	0.300		0.560	0.100	0.540				
N	PB	SN										

NOTES

ASTM A681-08  
MELTING PROCESS EAF+LF+VOD  
ULTRASONIC TEST OK ACCORDING TO SEP 1921, (DEC.84) E/e  
MATERIAL FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED

Country of Origin: China

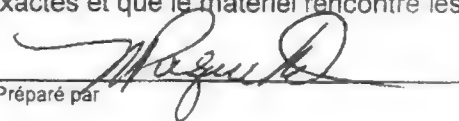
ITEM 4: 1 X 72"

COMMANDE : 136007

REF : 40162

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par



## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI O1 TOOL STEEL ROUND BAR

SPECIFICATION:

DIN 1.2510 or B.S. BO 1 or  
SAE J437 or SAE J438  
or UNS T31501 or ASTM A681

PART NUMBER:

MT-O1-R [D.DDD]  
WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = MT-O1-R0.625

REV	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.09	VM	VM

<b>DART</b> AEROSPACE		MT-O1-R		A
AISI O1 TOOL STEEL ROUND BAR				
DESIGN BY	VM 8/8/2017	CHK'D BY	RES	FUNCTIONALITY
DESIGNED BY	VM 08/31/2017	CHK'D BY	RES	ANGLES & T
FORGED	SAE J437	CHK'D BY	RES	SURFACES & T
MFG APPR	GP 08/22/2017	CHK'D BY	RES	UNLESS OTHERWISE SPECIFIED
QA APPR	PD 09/12/2017	CHK'D BY	RES	9 ADAMS YTS 50 TOL PER
APPROVED	VM 09/12/2017	CHK'D BY	RES	3 DIMENSIONAL LIMITS APPLY
DATE	8/31/2017	SCALE	NFS	WEIGHT N/A LBS
SHEET 1 OF 1				
COPYRIGHT © 2017 BY DART AEROSPACE LTD.				

EN 17-149



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-01-R1.250  
 DATE: 18/07/06

PO / BATCH NO.: P0040162 / 8088720

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 6'  
 QUANTITY INSPECTED: 6'  
 QUANTITY REJECTED: 1

THICKNESS ORDERED: 1.250"  
 THICKNESS RECEIVED: 1.250"  
 SHEET SIZE ORDERED: -  
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	ASTM A681
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	MT: 9917061255B-48-2
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT D</u>	SIGNED OFF BY: _____	
DATE: <u>18/07/06</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# VIRAJ PROFILES LIMITED



Works: SURVEY NO.- 25/1, 25/2, 26 & 34, Village- MAAN, Taluka- PALGHAR, Dist- THANE, MAHARASHTRA -401 506, INDIA,  
e-mail- virajpc@viraj.com

## TEST CERTIFICATE

**CUSTOMER**  
FIDELITY PAC METALS LTD.

855 Steeles Ave E Milton, ON L9T 5H3  
CANADA

**ORDER NO**

P006028

**PACKING LIST NO**

64/75012215/14

**INSPECTION NO**

100009262788

**DATE**

20.11.2017

**GRADE**

T-303

**HEAT No**

47715

**BUNDLE NO:**

1100799336, 1100799335, 1100799334.

## DESCRIPTION

STAINLESS STEEL BRIGHT BARS

COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
3/8"	ROUND	ASTM A484	12' - 14'	247	3,133.000 LB

## CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0450	1.970	0.300	0.2880	0.0340	17.360	8.040	0.490	0.290	0.150	0.03100

## TEST RESULTS

0.2% yield strength ksi	Tensile strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
91.0	106.0	39.0	36.0	216.0	7.0

## SPECIFICATION:

MATERIAL CONFORMS TO DEN 1088-3-2085 COND-A & ASTM A321/A321M-12a1, ASTM A 328-05, ASTM A484-14, AMS 3640U TYPE I, EXCEPT MARKING, QQB-764BA3 COND A, EXCEPT MARKING, UNS-S-30300, ASTM A314-3008, ASTM A332/A332M-15a, BEF CLASS I, AMS 2A 330 BEF CL1, MIL-S-8832 B GRADE, AMS 303 & WIRE 1A303.

CERTIFIED AS PER EN 10204-3.1

## REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS, MICROFREE FROM CONTINUOUS CARBIDES NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1650C, SOAKING TIME 1/2 HRS, WATER QUENCHED, MILIT SOURCE-ADD. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION. COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR  
K.R.K. MURTHY



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A582

PART NUMBER:

M303R0.DDD

DIA.

WHERE "D DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

RELEASED  
R 2010-02-02  
NR

B	REQUIREMENT, DIM, AND SPECS (2ND DB-1),	CP	10.01.05
A	REF PAR 08-00A	OS	CI 12 20
REV	REV	BY	DATE
DESIGN	DART AEROSPACE LTD		
DRAWN	HAWKESBURY, ONTARIO, CANADA		
CHECKED	DRAWING NO.		
MFG. APPR	M303R		
APPROVED	TITLE		
DE APPR	303 ROUND BAR		
DATE	10.01.05		
SHEET 1 OF 1			
SCALE			
VTS			
COPYRIGHT 2001 BY DART AEROSPACE LTD			

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M30x0.625  
 DATE: 19/06/26

PO / BATCH NO.: P0040162/5288721

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.625"  
 THICKNESS RECEIVED: 0.625"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM A582
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	MT: 47715
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <span style="float: right; font-size: small;">DAS 9</span> DATE: <u>19/06/26</u> <span style="float: right; font-size: small;">S-86</span>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

Certification Date  
19-JUN-2018

44926-J  
PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number  
T380997

508850

SOLD TO: METAUX SOLUTIONS INC.  
VENDU À:

SHIP TO:  
EXPÉDIÉ À:

2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1L7

METAUX SOLUTIONS (RIVE-SUD)

2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1

Description: 303 CF ANN BAR ASTM A582  
2-1/4 RD X 12' R/L

Line Total: 164 LB

HEAT: 743L

ITEM: 508850

Specifications:  
AMS 5640 TYPE 1 V  
ASTM A484 16  
ASTM A751 14A

ASTM A582 12  
EN 10204 3.1

UNS 30300  
QQS-764B COND A

## CHEMICAL ANALYSIS

C	CU	MN	MO	N	NI	P	S
0.033	0.27	1.84	0.282	0.045	8.56	0.031	0.3145
SI	CR						
0.46	17.20						

RCPT: R448638

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	49.0	87.0	42.0	56.0	177

STRAND CAST MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL

## COMMENTS

melted & mfg: usa  
complies with requirements of dfar 252.225-7009.  
~~eu directive 2011/65/eu rohs~~

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 02 of 02

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

Certification Date  
19-JUN-2018

44926-J  
PART NUMBER/NUMÉRO DE PIÈCE  
508850

Invoice Number  
T380997

SOLD TO: METAUX SOLUTIONS INC.  
VENDU À:

SHIP TO:  
EXPÉDIÉ À:

2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1L7

METAUX SOLUTIONS (RIVE-SUD)

2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1

Description: 303 CF ANN BAR ASTM A582  
2-1/4 RD X 12' R/L

HEAT: 743L  
eaf+aod+cc

ITEM: 508850

Line Total: 164 LB

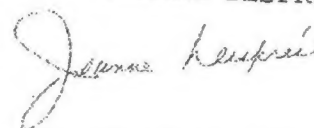
red ratio: 14.4:1

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:  
PART NUMBER:

ASTM A582  
M303R(D.DDD)  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 0.75" ROUND BAR = M303R0.750

RELEASED  
2010-02-02  
MP

B	REFORMAT DIMG. ADD SPECS (ZN D8-1), REF PART 08-020A	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M303R			
REV. B			
SHEET 1 OF 1			
TITLE			
303 ROUND BAR			
SCALE			
NTS			
DATE 10.01.05			
COPYRIGHT © 2001 BY DART AEROSPACE LTD			



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R2.250  
 DATE: 18/06/26

PO / BATCH NO.: P0040162/5088722

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.250"  
 THICKNESS RECEIVED: 2.250"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM A582
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	HT: 743L
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u> <sup>DAS</sup> DATE: <u>18/06/26</u> <sup>9-89</sup>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in